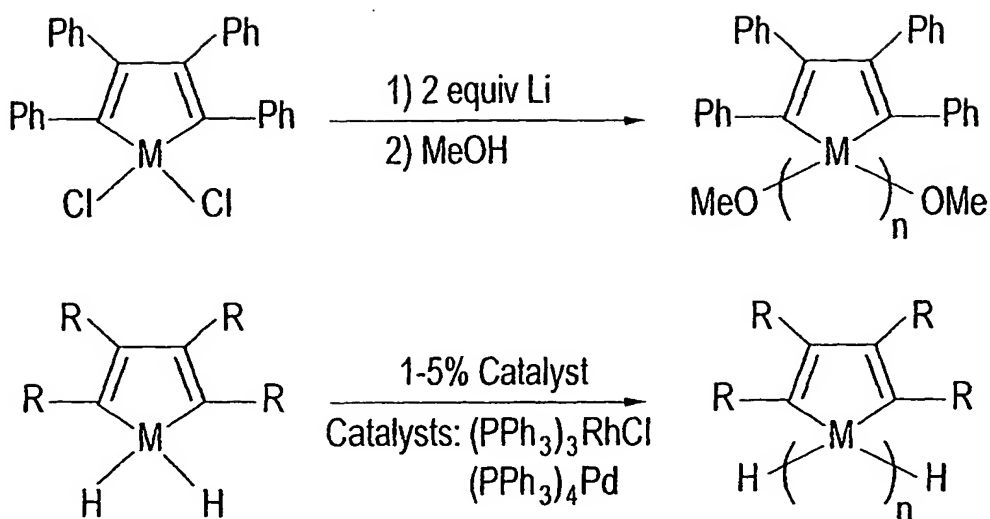
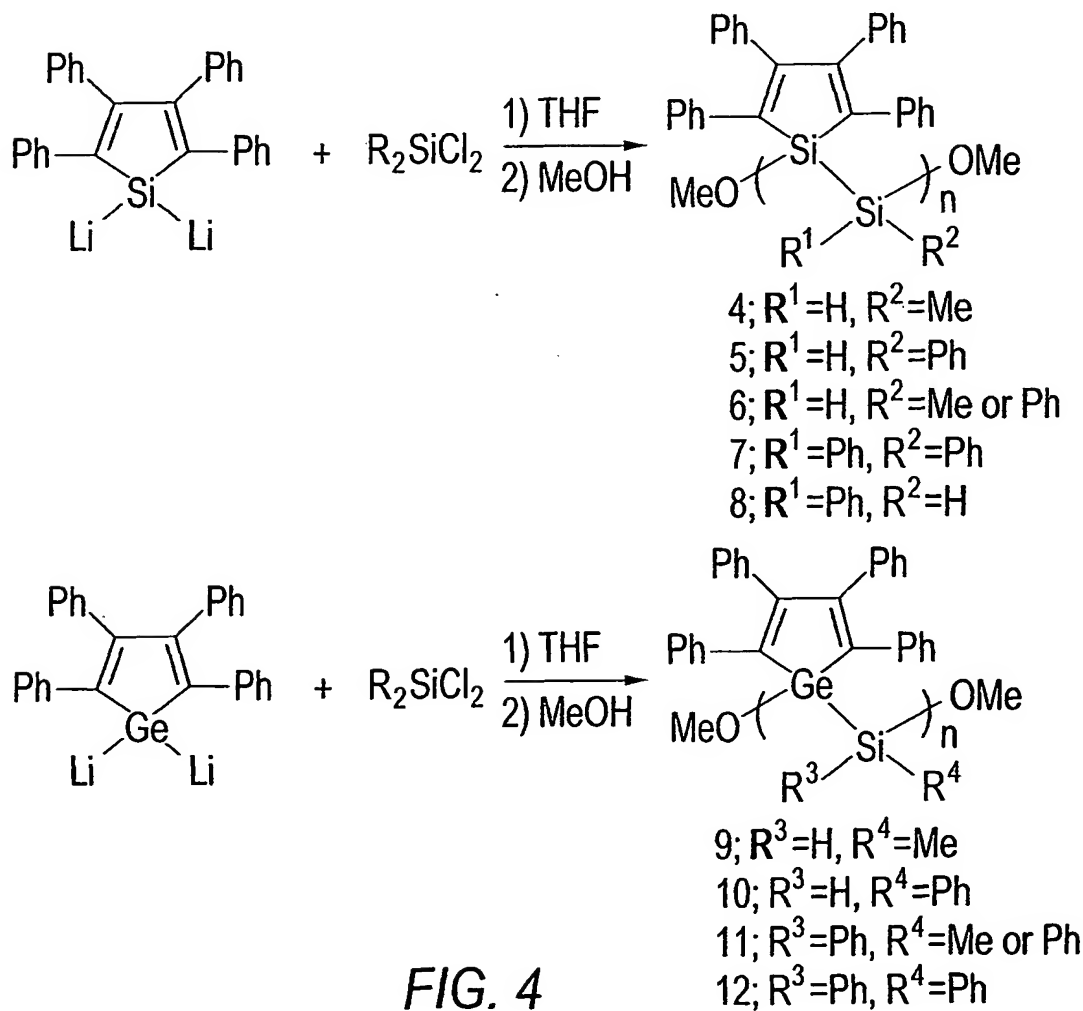
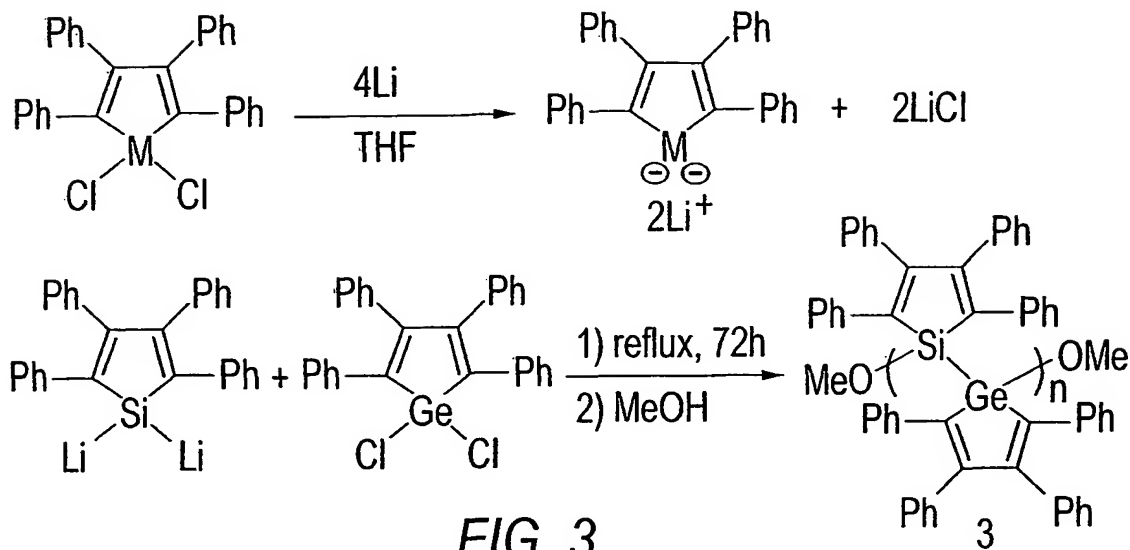


FIG. 1



where R is a H or an alkyl or aryl group selected from the group consisting of Me or Ph; and
 where M is selected from the group consisting of Si and Ge

FIG. 2



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polymers	M_w	M_n	$\lambda_{\text{abs}} \pi - \pi^*,$ $\sigma - \sigma_2^* + \pi^*$		$\lambda_{\text{fluo}} (\text{nm})$	$K_{\text{SV}} (M^{-1})$				NB	$t (x10^{-9}s)$
			(nm)	(nm)		PA	TNT	DNT	SV		
1	6.2×10^3	5.4×10^3	368, 314	513	513	11 000	4340	2420	1200	0.70 ^c	
2	4.6×10^3	4.4×10^3	368, 302	499	499	6710	2050	1010	320	0.28 ^d	
3	5.5×10^3	5.0×10^3	364, 302	510, 385	510, 385	8910	3050	1730	753	0.43	
4	4.4×10^3	4.2×10^3	370, 318	491	491	9120	3520	2060	1150	2.33	
5	4.5×10^3	4.1×10^3	370, 320	488	488	10 700	3940	2380	1230	1.34	
6	4.8×10^3	4.1×10^3	368, 320	489	489	8420	3030	2010	735	2.20	
7	5.0×10^3	4.8×10^3	364, 318	493	493	10 800	3430	2330	965	0.62	
8	4.6×10^3	4.0×10^3	366, 324	505, 385	505, 385	9350	3680	2340	864	2.70	
9	4.9×10^3	4.4×10^3	364, 304	483, 400	483, 400	10 300	3990	2570	1140	0.27	
10	4.4×10^3	4.2×10^3	364, 304	486, 400	486, 400	9990	3330	2000	965	0.35	
11	4.1×10^3	3.9×10^3	364, 304	484, 400	484, 400	8740	3430	2210	986	0.26	
12	5.4×10^3	5.0×10^3	364, 306	480, 402	480, 402	9840	3340	2150	936	0.22	

FIG. 5

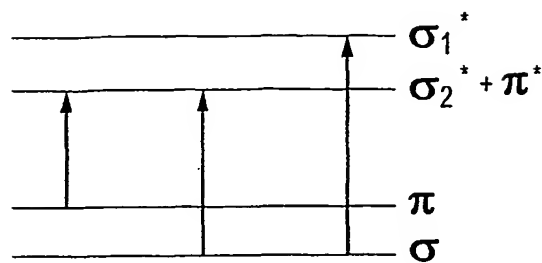


FIG. 6

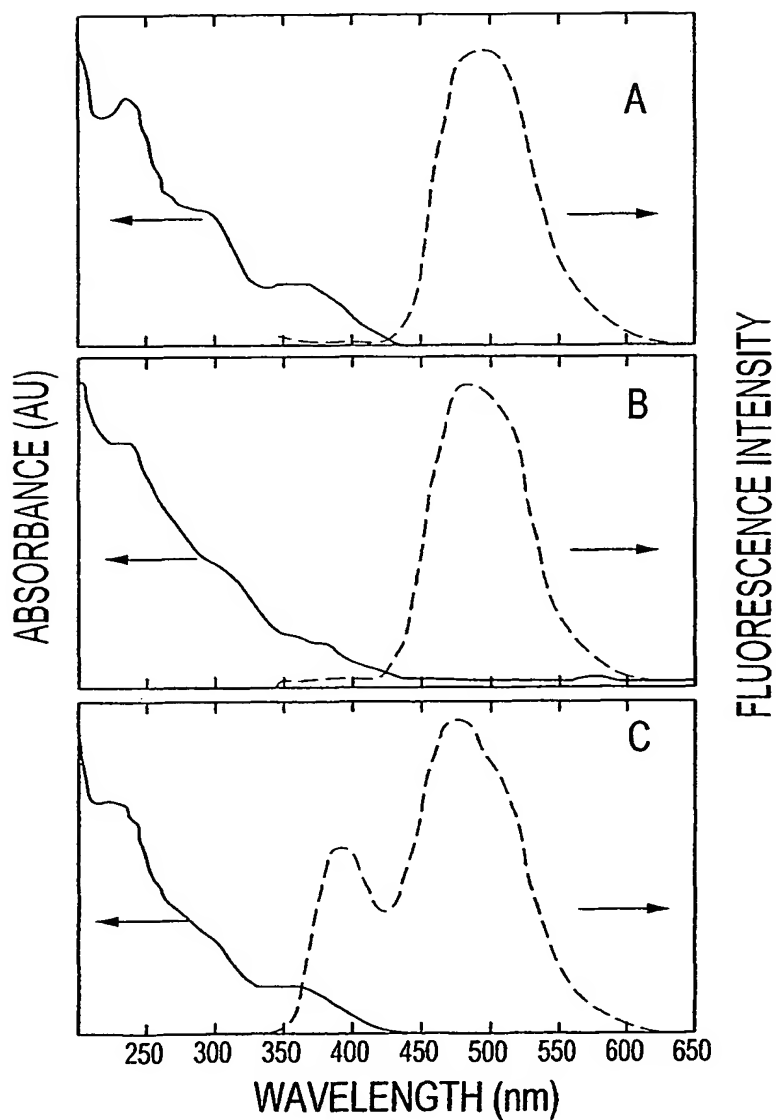


FIG. 7

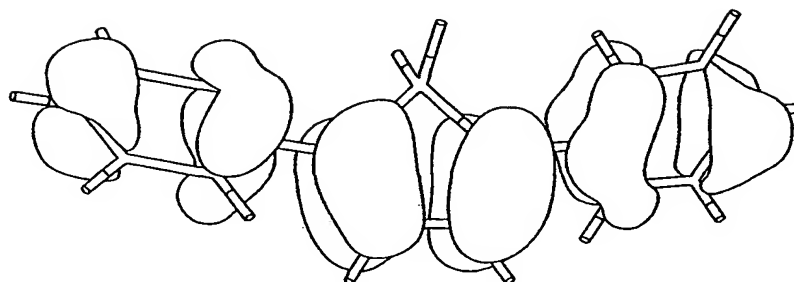


FIG. 8A

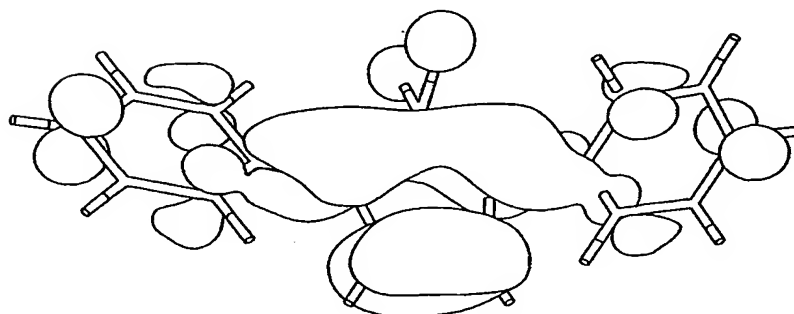


FIG. 8B

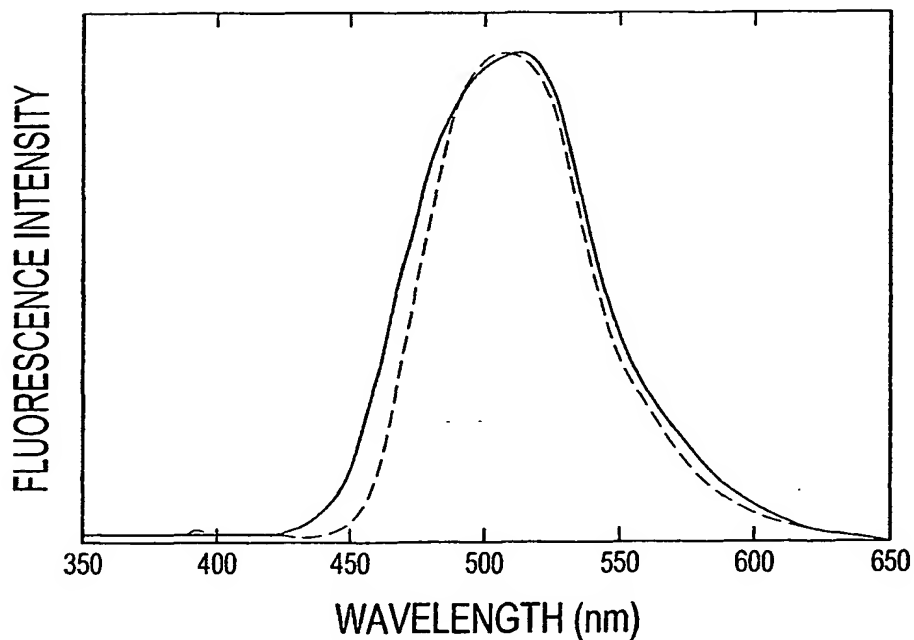


FIG. 9

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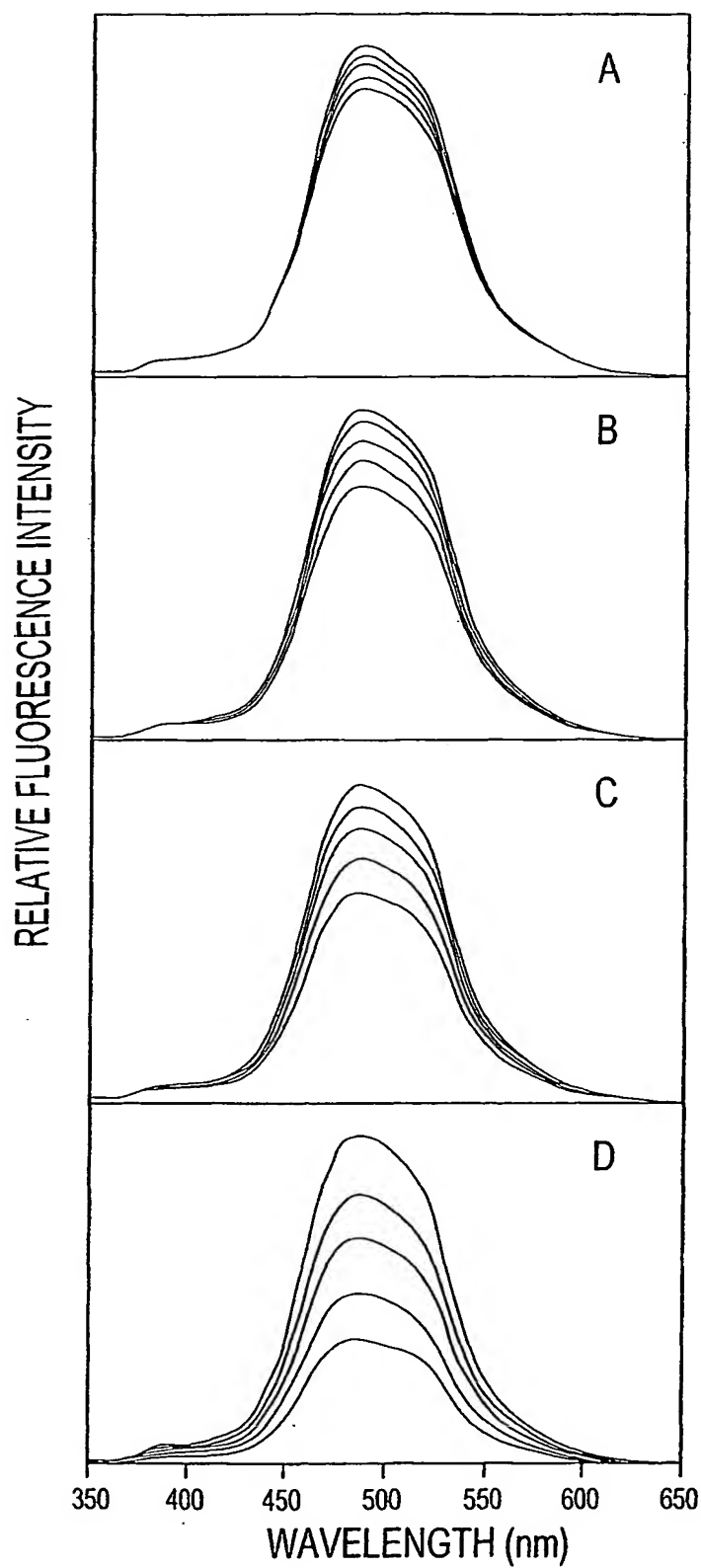


FIG. 10

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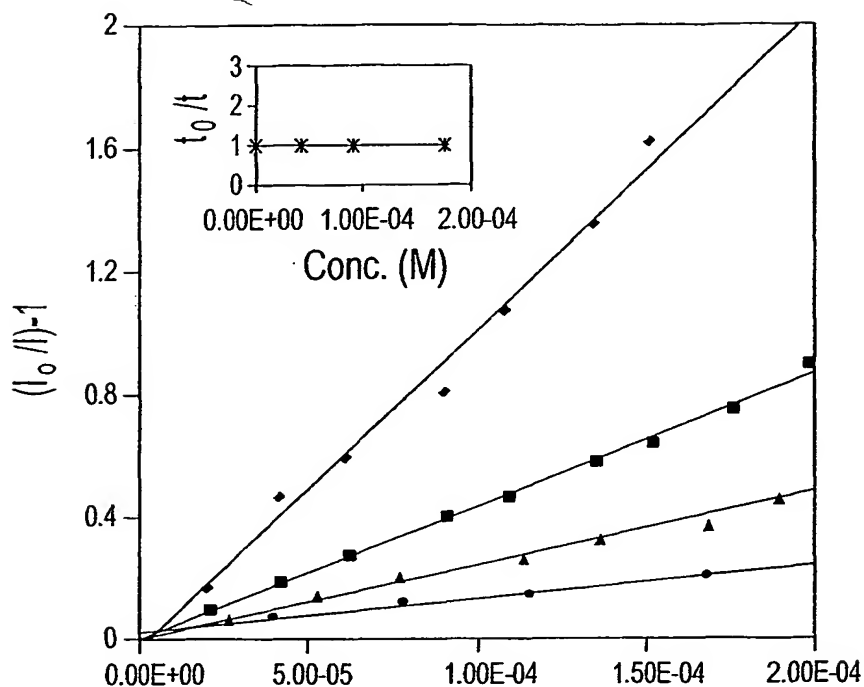


FIG. 11A

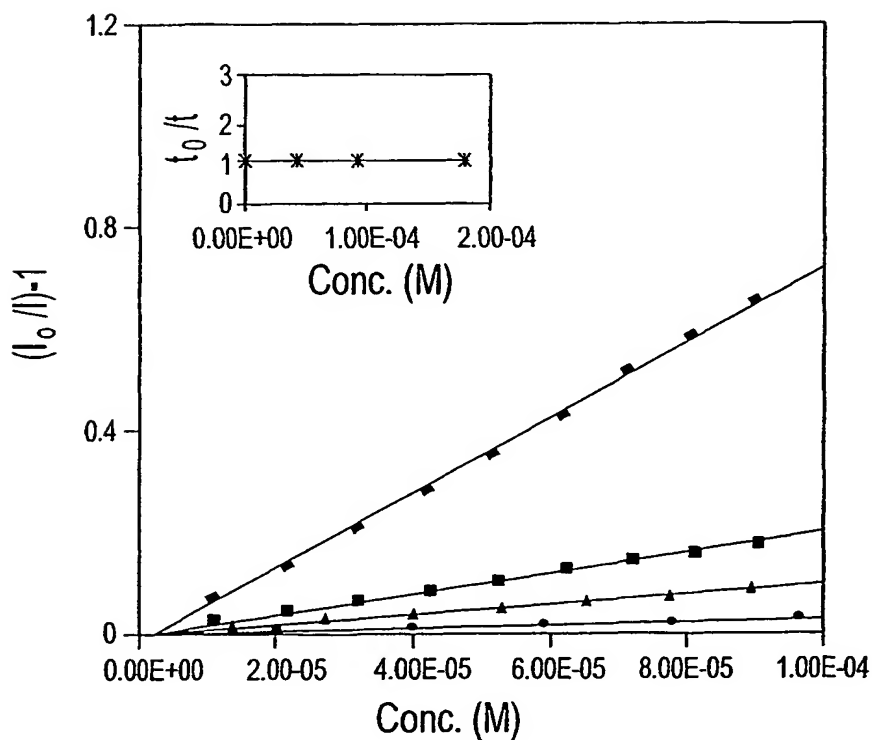


FIG. 11B

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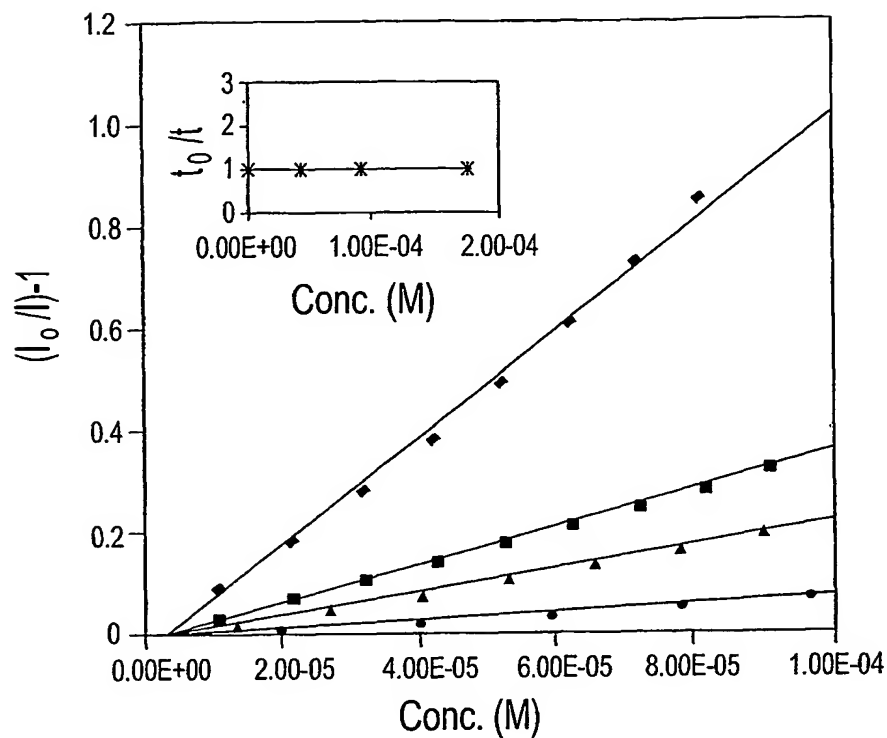


FIG. 11C

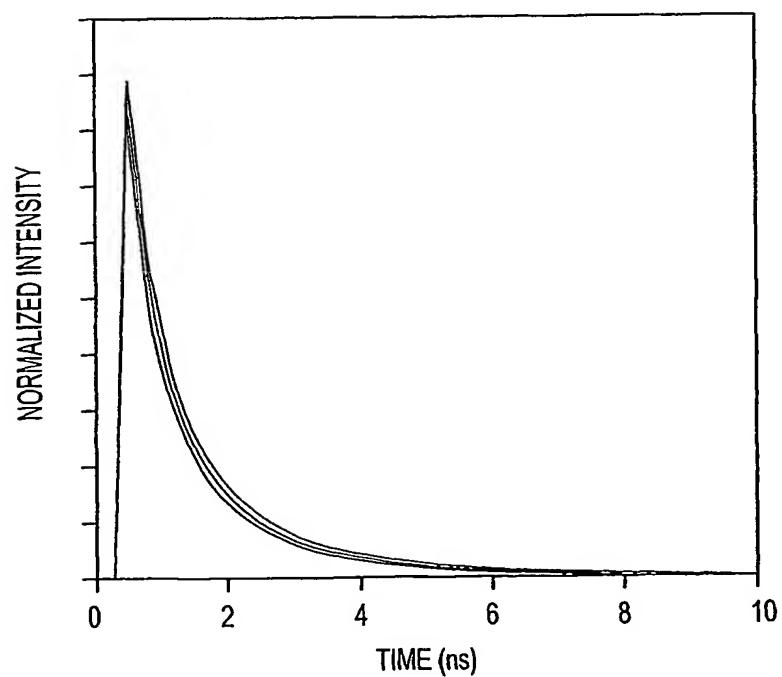


FIG. 12

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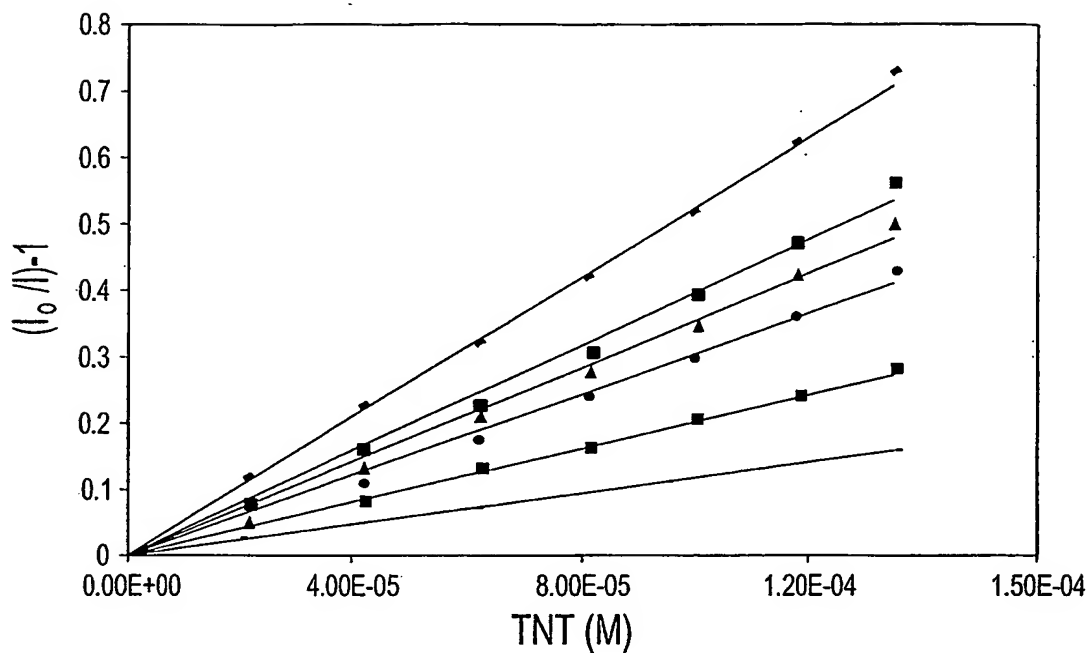


FIG. 13

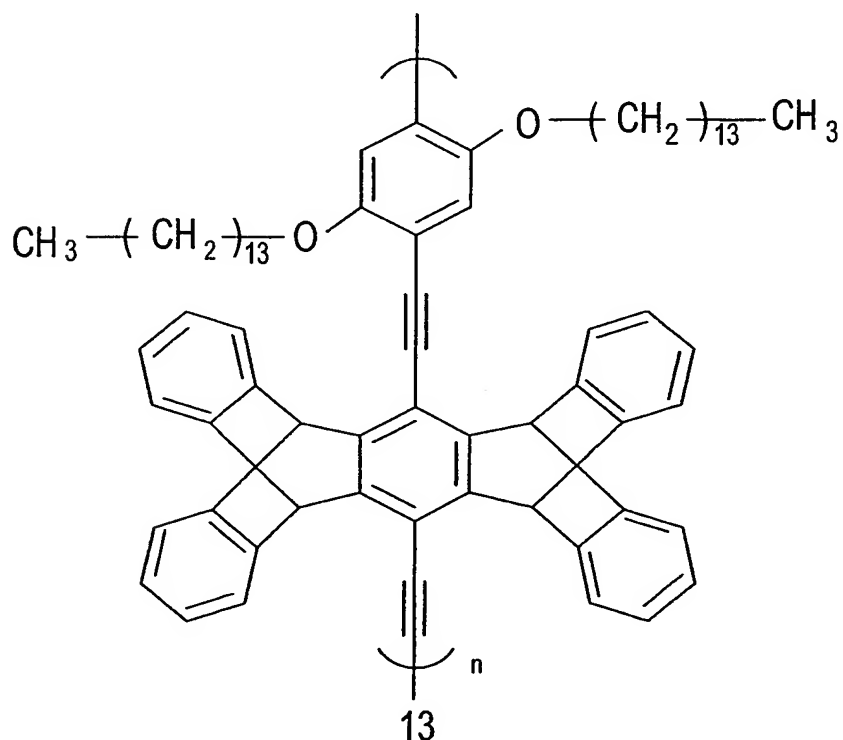


FIG. 14

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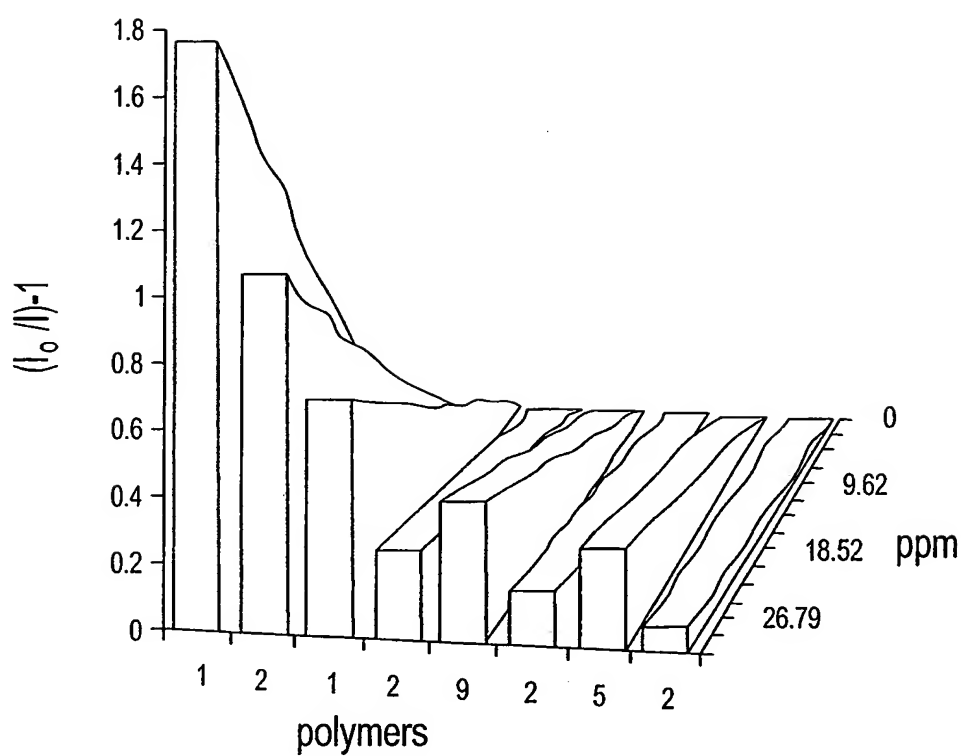


FIG. 15

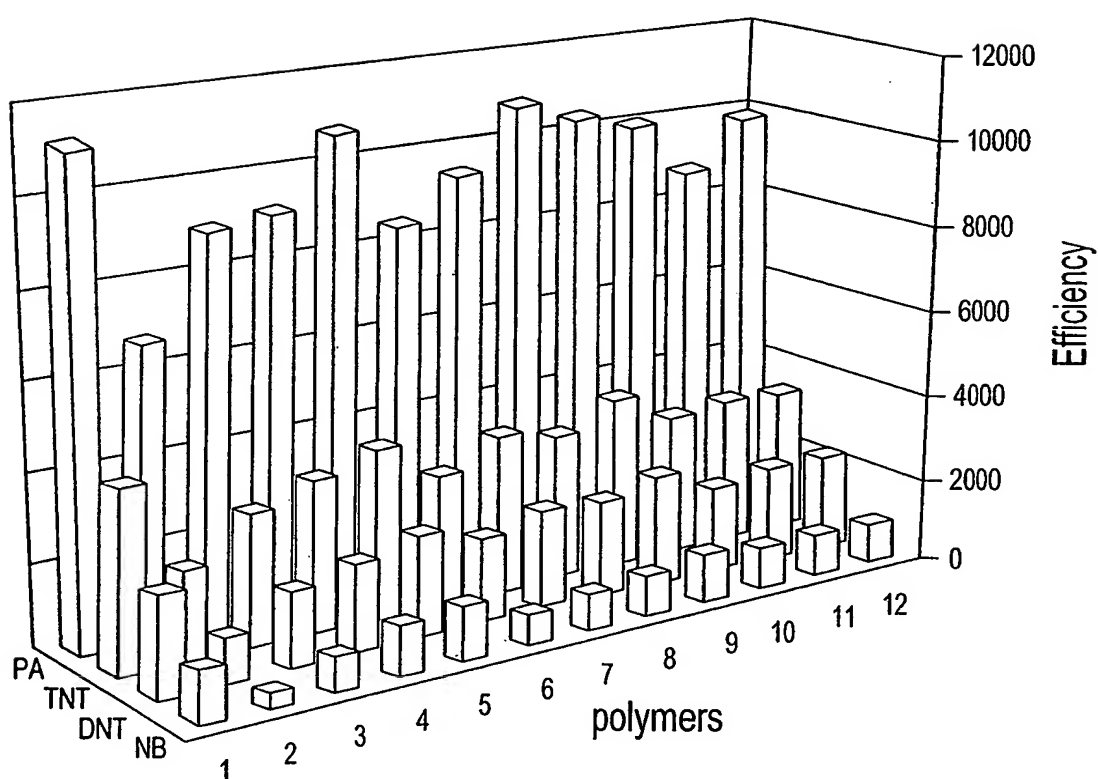


FIG. 16

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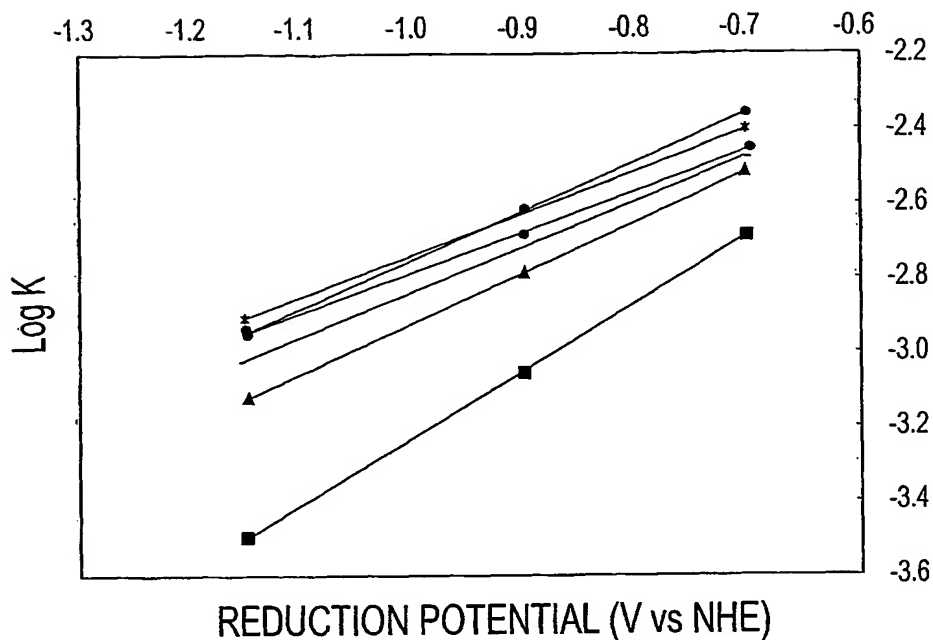
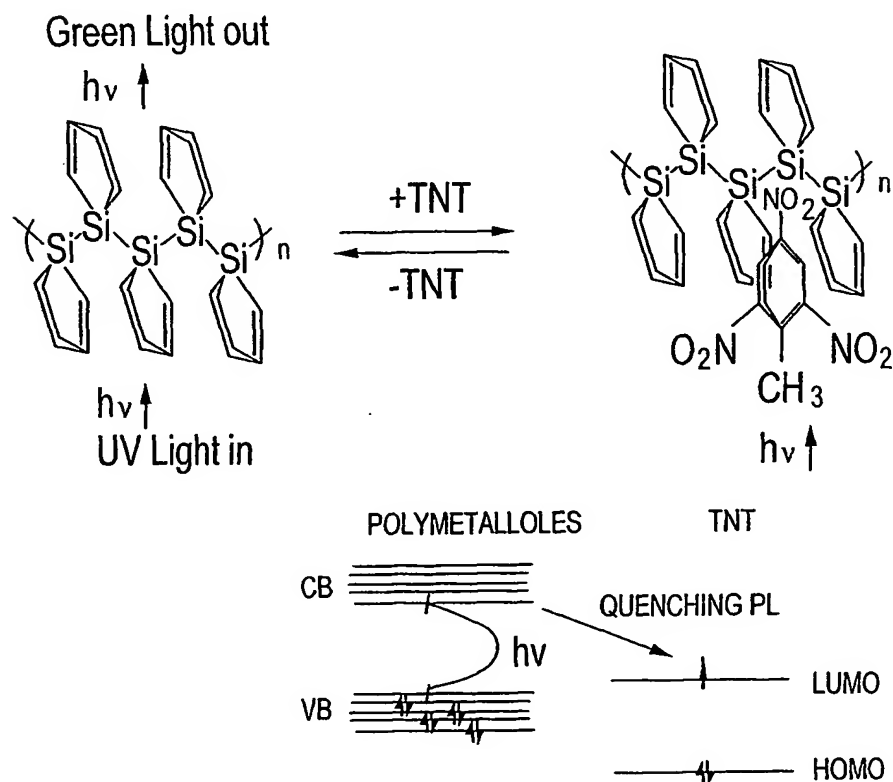


FIG. 17



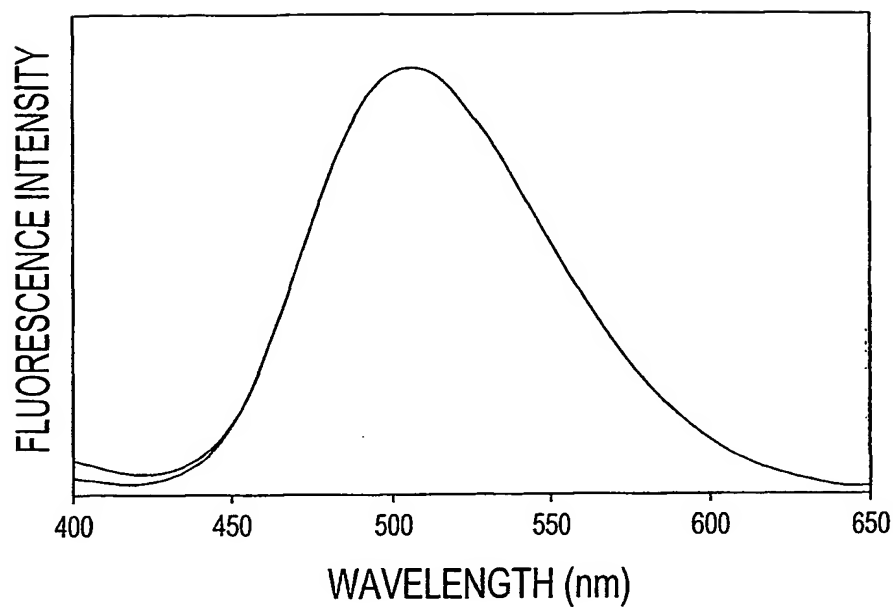


FIG. 19

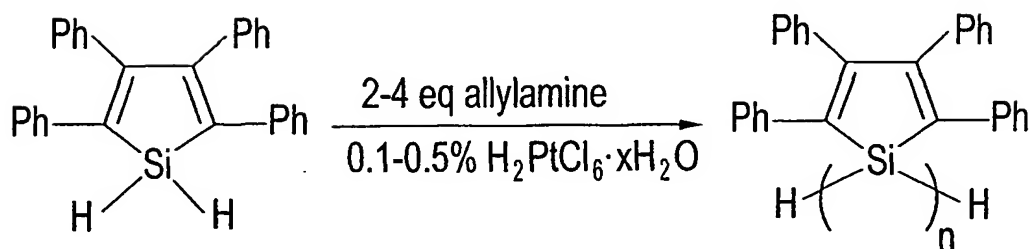


FIG. 20